

Appendix I: Alignment of SEQ ID NO: 17 (CRF, 10/20/2009) and I48378

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<!--StartFragment-->RESULT 1
I48378
hairless protein - mouse
C:Species: Mus musculus (house mouse)
C:Date: 02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change 09-Jul-2004
C:Accession: I48378
R:Cachon-Gonzalez, M.B.; Fenner, S.; Coffin, J.M.; Moran, C.; Best, S.; Stoye, J.P.
Proc. Natl. Acad. Sci. U.S.A. 91, 7717-7721, 1994
A>Title: Structure and expression of the hairless gene of mice.
A:Reference number: I48378; MUID:94329587; PMID:8052649
A:Accession: I48378
A>Status: preliminary; translated from GB/EMBL/DDBJ
A:Molecule type: mRNA
A:Residues: 1-1182 <RES>
A:Cross-references: UNIPROT:Q61645; UNIPARC:UPI0000028C24; EMBL:Z32675; NID:g531706; P

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Query Match          99.4%; Score 3682; DB 2; Length 1182;
Best Local Similarity 99.4%;
Matches 689; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy      1 VTQCQSCVQAAGEVGLTGHSHQKRRSPLEEKQLEEDSSATSEEGGGGPGPEASLNKGL 60
Db      490 VTQCQSCVQAAGEVGLTGHSHQKRRSPLEEKQLEEDSSATSEEGGGGPGPEASLNKGL 549
      |||
Qy      61 AKHLLSGLDRLCRLLRKEREALAWAQREGQGPAMTEDSPGPHCCSRCHHGLFNTHWRC 120
Db      550 AKHLLSGLDRLCRLLRKEREALAWAQREGQGPAMTEDSPGPHCCSRCHHGLFNTHWRC 609
      |||
Qy      121 SHCSHRLVCACGRIAGAGNREKTGSQEHTDDCAQEAGHAACSLILTQFVSSQALAEIS 180
Db      610 SHCSHRLVCACGRIAGAGNREKTGSQEHTDDCAQEAGHAACSLILTQFVSSQALAEIS 669
      |||
Qy      181 TVMHQWAKFDIRGHCFQVDARVWAPGDGGQKEPTEKTPPTPOPSCNGDSNRKTDIKE 240
Db      670 TVMHQWAKFDIRGHCFQVDARVWAPGDGGQKEPTEKTPPTPOPSCNGDSNRKTDIKE 729
      |||
Qy      241 ETPDSTESPAEDGAGRSPLPCPSLCELLASTAVKLCIGHDRIHMAFAPVTPALPSDDRIT 300
Db      730 ETPDSTESPAEDGAGRSPLPCPSLCELLASTAVKLCIGHDRIHMAFAPVTPALPSDDRIT 789
      |||
Qy      301 NILDSIIAQVVERKIQEKALGPGLRAGSGLRGLSLPLSPVTRLSPPGALLWLQEP RPK 360
Db      790 NILDSIIAQVVERKIQEKALGPGLRAGSGLRGLSLPLSPVTRLSPPGALLWLQEP RPK 849
      |||
Qy      361 HGFHLFQEHWRQGPVVLVSGIQKTLRLSLWGMEALGTLGGVQSLTALGPPOPTNLDSTA 420
Db      850 HGFHLFQEHWRQGPVVLVSGIQKTLRLSLWGMEALGTLGGVQSLTALGPPOPTNLDSTA 909
      |||
Qy      421 FWEGFSHPETRPKLDGEGSVLLHRTLGDKDASRVQNLVSSLPLPEYCAHQGKLNLSYLP 480
Db      910 FWEGFSHPETRPKLDGEGSVLLHRTLGDKDASRVQNLVSSLPLPEYCAHQGKLNLSYLP 969
      |||
Qy      481 LGLTLHPLEPQLWAAAYGVNSHRHGLGKTNLCVEVSDLSILVHAEALPPWYRAQKDFLS 540
Db      970 LGLTLHPLEPQLWAAAYGVNSHRHGLGKTNLCVEVSDLSILVHAEALPPWYRAQKDFLS 1029
      |||
Qy      541 GLDGEGLWSPGQSITVWHVFRAQDAQRIIRFLQMVCAGAGTLEPGAGSCYLDAGLRR 600
Db      1030 GLDGEGLWSPGQSITVWHVFRAQDAQRIIRFLQMVCAGAGTLEPGAGSCYLDAGLRR 1089
      |||
Qy      601 RLREEWGVCWNTLLQAPGEAVLPAGAPHQVQGLVSTISVTQHFLSPETSALSACLCHQG 660

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|||||
Db      1090 RLREEWGVSCWTLQAPGEAVLPAGAPHQVQGLVSTISVTQHFLSPETSALSQLYHQG 1149
Qy      661 ASLPPDHRMLYAQMDRAVFQAVKAAVGALQEAK 693
        |||||
Db      1150 ASLPPDHRMLYAQMDRAVFQAVKAAVGALQEAK 1182
<!--EndFragment-->
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